# Model CAS1500 / CAS3432IR / CAS5272

## Cassette Players/Recorders

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336-228-0251 • 800-868-2462
www.camcor.com

## User Manual

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# Model CAS1500 / CAS3432IR / CAS5272 Cassette Players/ Recorders

Thank you for purchasing the Califone® CAS-series Cassette Player/ Recorder.

We encourage you to visit our website www.califone.com to register your product for its warranty coverage, to sign up to receive our newsletter, download our catalog, and learn more about the complete line of Califone® audio visual products, including portable and installed wireless PA systems, multimedia players and recorders, headphones and headsets, computer peripheral equipment, visual presentation products and language learning materials.

# 1. IMPORTANT SAFETY INSTRUCTIONS

Before using this product, read the instruction manual for important safety information. Please retain this manual for future reference and warranty information.

**Troubleshooting & Servicing**
Do not attempt to service or repair the device yourself. Refer all servicing to qualified service personnel. Do not attempt to modify the device in any way. Doing so could invalidate your warranty.

**Moisture and heat sources**
Do not use this apparatus near water (for example, sinks, baths, pools) or expose it to rain, moisture, dripping or splashing liquids. Do not expose the unit to high temperatures, high humidity or direct sunlight.

**Cleaning**
When cleaning the device, please use a soft, dry cloth. Never use benzene, paint-thinner, or other chemicals on the device.

**Location**
Place the device in stable location, so it will not fall causing damage to the device or bodily harm.

**Intended use**
The product may only be used with the original parts intended for it. The product may only be used in closed and dry rooms. The intended use includes adherence to the specified installation instructions. The manufacturer accepts no liability for damage arising due to improper use.



**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**IMPORTANT**
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
The unit's circuitry may cause interference to nearby radios. To prevent interference, either switch the unit off or move away from the affected radio.
NOTE: This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

NOTE: Shielded cables may be required to be used with this unit to ensure compliance with the Class B FCC limits.

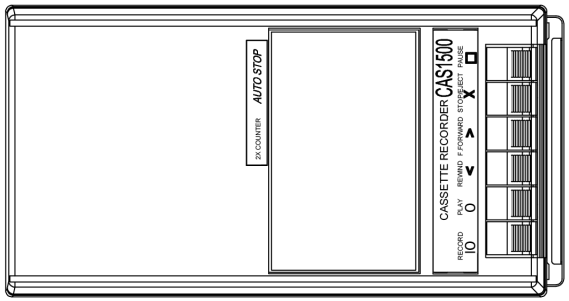
## 2. PACKAGE CONTENTS

- CAS1500 / CAS3432IR / CAS5272 Cassette Player/Recorder
- Power Adapter
- User Manual

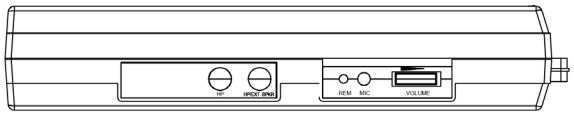
## 3. PART NAMES AND FUNCTIONS

### CAS1500

Top View



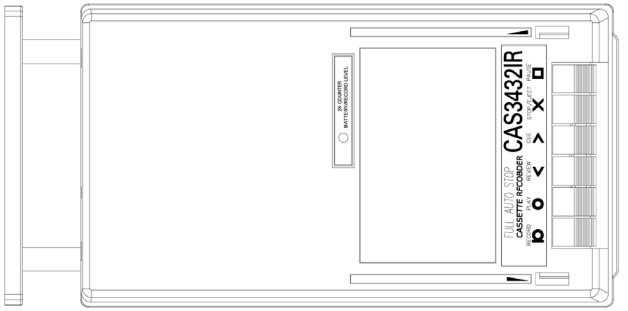

Side View





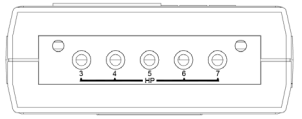

### CAS3432IR

Top View

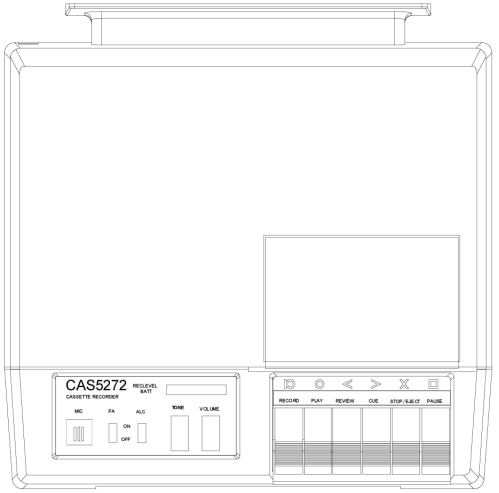



Side View

Rear View



### CAS5272



# 4. SETUP AND INSTALLATION

### 4.1 AC OPERATION

1. Adjust the Volume control to the minimum position.
2. Before operation please be sure that the voltage on the power adapter corresponds to the AC voltage of your local area. Unravel the AC Line Cord, insert one end into the DC input jack on the unit and the other end into a standard AC outlet.

### 4.2 BATTERY OPERATION

1. Adjust the Volume control to the minimum position.
2. ***IMPORTANT: Disconnect the power adapter from the AC main power.***
3. Open the BATTERY COMPARTMENT DOOR and insert batteries (CAS1500 = four C size, CAS3432IR = six C size, CAS5272 = four D size) (not included) making sure that the indicated battery polarity is observed.

### 4.3 CONNECTING HEADPHONES

1. Decrease the volume to minimum.
2. Connect the headphones to one of the H/P jacks.
3. Increase the volume to the desired listening level.

*CAUTION: Avoid excessive volume for long periods of time as this can result in hearing damage.*

# 5. BASIC OPERATION

### 5.1 CASSETTE OPERATION

1. Press the STOP/EJECT button to open the cassette door.
2. Insert a cassette tape into the CASSETTE COMPARTMENT and push the cassette door to close.
3. Slide the FUNCTION SELECTOR SWITCH to TAPE position.
4. Press the PLAY button. Adjust the VOLUME CONTROL KNOB to your desired listening level.
5. To stop the tape, press the STOP/EJECT button.

**FAST FORWARD AND REWIND**

- The tape can be fast FORWARDED or REWOUND by pressing the FAST FORWARD button or REWIND button respectively.

**PAUSE FUNCTION**

- During playback or recording, the tape can be stopped temporarily by pressing the PAUSE button. To continue playback or recording, press the PAUSE button once again.

**FULL AUTO STOP SYSTEM**

- When the tape runs to its end during playback or recording, the



cassette operation will be stopped automatically.

*CAUTION: To avoid damage to the cassette mechanism or to the cassette tapes, always press the STOP/EJECT button between each operation.*

### 5.2 RECORDING

1. To record from an auxiliary source such as a computer, CD player, etc., connect the source unit headphone/aux output to the Aux Input on the cassette recorder.
2. Alternately, to record from an external microphone, skip step 1 above and instead, connect the microphone to the microphone jack. Turn the microphone ON if it has on ON/OFF switch.
3. Alternately, to record from the built-in microphone, simply skip step 1 and 2.
4. Insert a blank tape into the cassette deck.
5. Press the PAUSE key then the RECORD key to prepare for the recording. As the RECORD key is pressed the PLAY key will follow.
6. Press PAUSE again to start recording.
7. Start the auxiliary audio source, or start speaking into the built-in or external microphone as appropriate.
8. To stop recording, press the STOP/EJECT key to stop the cassette transport or press the PAUSE key to momentarily stop the recording. Press PAUSE key again to restart recording.

NOTES:

- The CAS-series Cassette Recorders feature an ALC (Automatic Level Control) circuit, which automatically adjusts the volume level while recording to reduce distortion and overloading.
- Every new cassette tape has erase prevention tabs. Commercially pre-recorded tapes have the tabs removed to prevent recording over the original material or accidental erasure. Cover the openings with adhesive tape if you wish to record over such cassette tape.

### 5.2 REMOTE START/STOP & THE MICROPHONE JACK

The Remote Stop/Start jack can be used to start and stop cassette tape playback or recording. The PLAY or RECORD key must be depressed to use the Remote Stop/Start feature.

NOTE: The internal microphone is automatically disconnected when an external microphone is plugged in.

### 5.3 QUEING

1. Rewind the tape to the beginning.
2. Press the RESET button to reset the counter to (000).
3. Use the Tape Counter Display to note song/track starting locations during playback and to cue the tape to precise points using the FAST-FORWARD/CUE or REWIND/REVIEW keys.

### 5.4 INFRARED (IR) TRANSMITTER OPERATION (CAS3432IR ONLY)

Move the IR SIGNAL ON/OFF switch to the ON position when using the CAS3432IR cassette player with HIR-series Infrared headphones.
NOTE: The cassette player's internal speaker output will be cut off when using this feature.

### 5.5 CAS5272 PA FEATURE (CAS5272 ONLY)

You can use the CAS5272 as a PA System to broadcast speech and/or recorded audio.

1. Connect an external microphone to the microphone jack.
2. Slide the PA switch to ON.
3. Turn the microphone ON if it has on ON/OFF switch.
4. Insert a blank tape or a tape with a recorded message or background music and press play.

NOTES:

- The PA feature only works when a tape is playing. A cassette tape in the unit unless you want to broadcast a recorded message.
- When using the PA Control, the Volume Control will increase or decrease both microphone and audio cassette sound output. The level of tape and microphone volume cannot be adjusted independently.
- To avoid acoustic feedback, position the microphone as far away as possible from the speaker. An 8ohn speaker may be connected to the Headphone/Speaker jack for addressing a larger audience. If an external speaker is used, the internal speaker is disconnected.

### HANDLING CASSETTE TAPES

- If the tape is loose in its cassette, take up the slack by inserting a pencil in one of the reels and rotating if the tape is loose it may get stretched, cut, or caught in the cassette.
- Do not touch the tape surface.
- To prevent recording from being erased accidentally, remove the tab(s) A and B.
- To record after the tabs have been broken off reseal the slots A and B with a piece of adhesive tape.



### CASSETTE DECK MAINTENANCE

The heads, capstan and pinch roller should be cleaned from time to time to prevent buildup of tape oxide, which degrades performance. We recommend cleaning after every 20-30 hours of operation.

1. Press the Stop/Eject key to open the deck door.
2. Remove cassette tape before cleaning.
3. Clean the head of all visible, reddish-brown oxide with a cotton-tipped swab moistened with a methyl alcohol or any solution specifically manufactured for this purpose.

*CAUTION: DO NOT scrape the head surface with hard, sharp or abrasive objects. This will permanently damage the heads.*

4. Clean the pinch roller by scrubbing the surface of the roller with the moistened swab. Rotate the roller by hand until the entire surface is clean.
5. Clean external case surfaces with a moist, soft cloth. Use only a mild detergent water solution.

### HEAD DEMAGNETIZATION

It is recommended that the tape heads be demagnetized from time to time. This eliminates residual magnetism which degrades sound reproduction and the recording function.

1. After cleaning the heads and capstan, place the demagnetizer several feet away from the cassette unit and plug it into an AC outlet.
2. Follow the manufacturer's operating instructions supplied with the demagnetizer.

## 6. TROUBLESHOOTING

| | |
|---|---|
| No Sound /Low Volume | • Ensure the power is connected and the volume control is up.<br>• To play through the built-in speaker, ensure there is nothing plugged into the External Speaker Output. |

# 7. SPECIFICATIONS & FEATURES

### CAS1500

| | |
|---|---|
| Features | • Auto Level Control Recording<br>• Full Auto Stop<br>• 3-digit Tape Counter |
| Power Requirements | 4 “C” size alkaline batteries OR 110-240VAC -> 6VDC/800mA power adapter (included) |
| Power Output | 500 mW |
| Wow & Flutter | < 0.35% |
| Microphone | Built-in Electret |
| Output Jacks | 1/4” Headphone + 1/4” Headphone/External Speaker |
| Input Jacks | 3.5mm Microphone + 2.5mm Remote |
| Product Dimensions | 10.75” x 5.6” x 2” |
| Product Weight (incl. accessories) | 3 lbs |

### CAS3432IR

| | |
|---|---|
| Features | • Auto Level Control Recording<br>• Full Auto Stop<br>• 3-digit Tape Counter<br>• Tone Control<br>• LED Record Indicator |
| Power Requirements | 6 “C” size alkaline batteries OR 110-240VAC -> 12VDC/1A power adapter (included) |
| Infrared Transmission Range | > 15 feet (line-of-sight required) |
| Power Output | 3 Watts |
| Wow & Flutter | < 0.35% |
| Microphone | Built-in Electret |
| Output Jacks | 6 Headphone (1/4”)<br>1 Headphone/External Speaker (1/4”) |
| Input Jacks | 3.5mm Microphone + 2.5mm Remote<br>Aux Input (1/4”) |
| Product Dimensions | 13.5” x 6.7” x 2.5” |
| Product Weight (incl. accessories) | 4.5 lbs |



### CAS5272

| | |
|---|---|
| Features | • Auto Level Control Recording<br>• Full Auto Stop<br>• 3-digit Tape Counter<br>• Tone Control<br>• 5-LED Record Level Indicator<br>• PA Function |
| Power Requirements | 4 “D” size alkaline batteries OR 110-240VAC -> 15VDC/1.5A power adapter (included) |
| Power Output | 10 Watts |
| Wow & Flutter | < 0.35% |
| Microphone | Built-in Electret |
| Output Jacks | 6 Headphone (1/4”)<br>1 Headphone/External Speaker (1/4”) |
| Input Jacks | 3.5mm Microphone + 2.5mm Remote<br>Aux Input (1/4”) |
| Product Dimensions | 11” x 11” x 3.3” |
| Product Weight (incl. accessories) | 6 lbs |

# 8. WARRANTY

Califone warrants this product to be free from defective material and workmanship for one year from the purchase date. Our “Project Intercept” Customer Satisfaction program will replace defective parts and repair malfunctioning equipment under this warranty when the defect occurs under normal use.

### All Damage Claims Must Be Made With the Freight Carrier

Notify the freight carrier immediately if you observe any damage to the shipping carton or product. Repack the unit in the carton and await inspection by the carrier’s claim agent. Notify your dealer of the pending freight claim.

### Returning Your Unit for Service or Repairs

Should your unit require service, contact our Customer Service Department online at califone.com/techsupport or via email warranty@califone.com or by phone at 800-722-0500 / 818-407-2400 to first obtain an RA (Return Authorization) number before returning it to Califone. The unit must be returned to our factory via prepaid transportation only after the factory issues an RA number, which must be clearly written on the outside of the box.

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